

Chapter 140

Report on Global Environment Competitiveness  
of United Kingdom

United Kingdom is a sovereign state located off the north-western coast of continental Europe. The country includes the island of Great Britain, the north-eastern part of the island of Ireland and many smaller islands. It covers 241.9 thousand of square kilometers and has a population of 62.74 million. Its GDP reaches \$2,445.41 billion in 2011. Through the index system and evaluation model, the environment competitiveness index of United Kingdom ranks at 9 in 133 countries.

Score:
56.58
Rank:
9

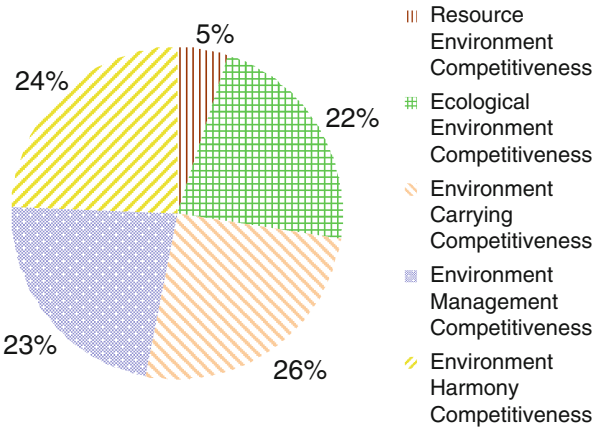


Fig. 140.1 Contribution of sub-index to GEC

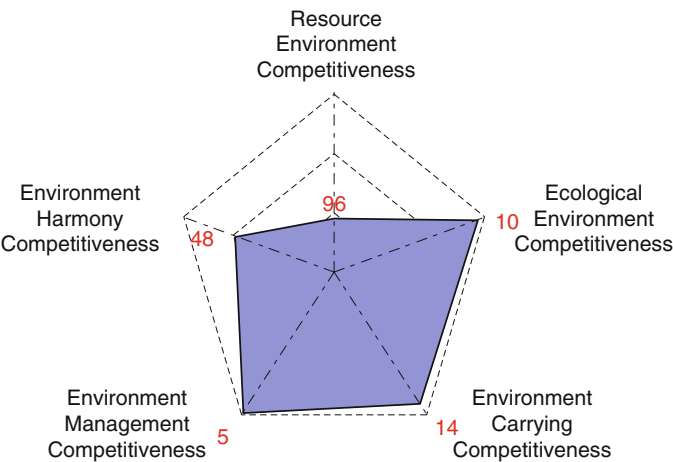


Fig. 140.2 Rank of sub-index of GEC

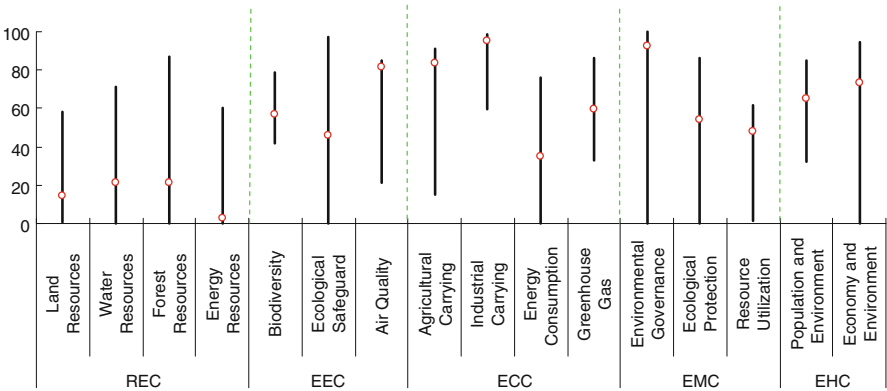


Fig. 140.3 Score and rank of the pillars of GEC

Table 140.1 Score and rank of all indicators of GEC

Indicators	Score	Rank	Indicators	Score	Rank
1 Resource Environment Competitiveness	14.27	96	Groundwater	5.80	84
1.1 Land Resources	14.36	56	Total internal renewable water resources	30.23	40
Land area per capita	0.67	118	1.3 Forest Resources	21.03	92
Percentage of arable land to total land area	42.44	30	Growing stock in forest and other wooded land	51.15	70
Arable land per capita	4.52	100	Proportion of land area covered by forest	13.98	89
1.2 Water Resources	21.05	50	Forest area per capita	0.32	109
Surface water	6.52	50	1.4 Energy Resources	2.91	101
Annual precipitation	41.65	44			

(continued)

**Table 140.1** (continued)

Indicators	Score	Rank	Indicators	Score	Rank
Fossil energy	0.18	50	Energy consumption	98.22	116
Energy production	2.41	33	per unit of land area		
Proportion of combustible renewable and waste to total energy consumption	3.12	95	Ratio of clean energy consumption	16.76	38
Net energy imports of the energy consumption	9.27	65	Elasticity of energy consumption	13.26	103
<b>2 Ecological Environment Competitiveness</b>	<b>63.37</b>	<b>10</b>	Elasticity of electric power consumption	10.84	56
2.1 Biodiversity	56.67	90	3.4 Greenhouse Gas	59.50	85
Threatened fish species	79.72	96	Growth rate of CO <sub>2</sub> emissions	51.85	66
Threatened mammal species	97.28	22	Growth rate of Methane emissions	60.30	54
Threatened plant species	99.36	65	CO <sub>2</sub> emissions per unit of land area	97.78	122
GEF benefits index for biodiversity	3.50	55	CO <sub>2</sub> emissions per unit of energy consumption	35.71	86
2.2 Ecological Safeguard	45.86	20	<b>4 Environment Management Competitiveness</b>	<b>63.70</b>	<b>5</b>
Terrestrial protected areas	71.47	10	4.1 Environmental Governance	92.38	54
Marine protected areas	7.44	31	Agricultural chemicals regulation	80.95	53
2.3 Air Quality	81.52	15	Percentage of the rural population with access to an improved water source	100.00	1
Inhalable particles (PM10)	90.51	12	Percentage of the urban population with access to an improved water source	100.00	1
Particulate matter (PM2.5)	91.09	29	4.2 Ecological Protection	54.11	10
Index of indoor air pollution	100.00	1	Area of plantation and afforestation	2.88	20
Nitrogen oxides emission	62.47	116	Biome protect	100.00	1
Sulfur dioxide emission	38.89	106	Overfishing of fishing resources	76.54	10
<b>3 Environment Carrying Competitiveness</b>	<b>72.53</b>	<b>14</b>	4.3 Resource Utilization	47.81	18
3.1 Agricultural Carrying	83.83	6	Utilization rate of water resources	0.35	65
Cereal yield per unit of arable land	74.33	8	Percentage of total internal renewable water resources to total water resources	92.95	9
Fertilizer consumption per unit of arable land	80.65	110	Percentage of agricultural land to total land area	84.65	12
Annual freshwater withdrawals for agriculture per unit of arable land	99.68	39	Percentage of fossil fuel energy consumption to total energy consumption	13.30	88
3.2 Industrial Carrying	95.08	18			
Net exports of goods as a percentage of GDP	87.69	30			
Electric power consumption per unit of value added of industry	93.83	43			
SO <sub>2</sub> emissions per unit of value added of industry	99.95	27			
Annual freshwater withdrawals for industry per value added of industry	98.83	44			
3.3 Energy Consumption	34.77	48			

(continued)

**Table 140.1** (continued)

Indicators	Score	Rank	Indicators	Score	Rank
5 Environment Harmony Competitiveness	69.06	48	CO <sub>2</sub> emissions per capita	79.01	103
5.1 Population and Environment	64.95	97	Energy consumption per capita	75.42	96
Percentage of population with access to Improved sanitation facilities	100.00	1	5.2 Economy and Environment	73.17	13
Motor vehicles per 1,000 people	35.43	111	Land resource utilization efficiency	2.95	11
Renewable internal freshwater resources per capita	2.80	75	Sulfur dioxide emissions per unit of GDP	99.08	18
SO <sub>2</sub> emissions per capita	95.19	70	Carbon dioxide emissions per unit of GDP	94.06	27
			Energy consumption per unit of GDP	96.60	7

**Table 140.2** Rank distribution of the individual indicators of GEC

Sub-index	Number of the individual indicators	Rank 1–10	Rank 11–30	Rank 31–60	Rank 61–100	Rank 101–133
Resource Environment Competitiveness	14	0	1	6	5	2
Ecological Environment Competitiveness	11	2	5	0	3	1
Environment Carrying Competitiveness	15	2	3	4	2	4
Environment Management Competitiveness	10	4	3	2	1	0
Environment Harmony Competitiveness	10	1	4	0	3	2
Total	60	9	16	12	14	9

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